

## **TOUCH SENSOR WITH LINEARIZED RESPONSE**

### **Abstract of the Disclosure**

A field linearization pattern and a touch sensor incorporating same are disclosed.

- 5    The touch sensor includes a polygonal field linearization pattern disposed around a touch sensitive area. The field linearization pattern includes a first side and a second side that intersect at a first corner. The field linearization pattern further includes an inner row and an outer row of discrete conductive segments. The inner row includes a conductive corner segment at the first corner. The conductive corner segment extends along a portion of the
- 10   The first and second sides of the linearization pattern. The touch sensor further includes electronics configured to detect a location of an input touch applied to the touch sensitive area by generating an electrical current in the linearization pattern. A current flowing from the first side to the second side of the linearization pattern is substantially confined within the linearization pattern.

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